

**UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT**

Sundry Notices and Reports on Wells

2006 NOV 8 PM 4 52
RECEIVED
OTO FARMINGTON NM

1. **Type of Well**
GAS

2. **Name of Operator**
BURLINGTON
RESOURCES OIL & GAS COMPANY LP

3. **Address & Phone No. of Operator**
PO Box 4289, Farmington, NM 87499 (505) 326-9700

4. **Location of Well, Footage, Sec., T, R, M**
Sec., T—N, R—W, NMPM
Unit K (NESW), 1845' FSL & 2015' FWL, Sec. 31, T28N, R6W NMPM

5. **Lease Number**
NMSF-080430-A

6. **If Indian, All. or Tribe Name**

7. **Unit Agreement Name**
San Juan 28-6 Unit

8. **Well Name & Number**
San Juan 28-6 Unit #210P

9. **API Well No.**
30-039-29458

10. **Field and Pool**
Blanco MV/ Basin DK

11. **County and State**
Rio Arriba, NM

12. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OTHER DATA**Type of Submission:**

- ☒ Notice of Intent
- ☐ Subsequent Report
- ☐ Final Abandonment

Type of Action:

- ☐ Abandonment
- ☐ Recompletion
- ☐ Plugging
- ☒ Casing Repair
- ☐ Altering Casing
- ☐ Change of Plans
- ☐ New Construction
- ☐ Non-Routine Fracturing
- ☐ Water Shut-off
- ☐ Conversion to Injection

☐ Other :

RCVD NOV21'06

OIL CONS. DIV.

DIST. 3

13. Describe Proposed or Completed Operations

This well is unable to produce due to water production. It is suspected that this water is sourced from either a casing leak in the upper portion of the well bore in the 4 ½" or 7" casing or from the lower Dakota. The intent of this procedure is to first check for any casing leaks by pulling the 2 3/8" tubing and pressure testing the casing. If the test fails, then repair any casing leak(s), trip back in hole with 2 3/8" tubing and return the well to production. If the test is OK, then isolate and flush test different zones to identify source of water production. Plug off the water producing zone and return the well to production. Please see the attached procedure & well bore diagram.

SEE ATTACHED FOR
CONDITIONS OF APPROVAL

14. I hereby certify that the foregoing is true and correct.

Signed Philana Thompson Title Regulatory Tech Date 11/7/06

(This space for Federal or State Office use)

APPROVED BY Petr. Eng. Title Petr. Eng. Date 11/20/06

CONDITION OF APPROVAL, if any:

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

NMOCD
11/21

San Juan 28-6 Unit 210P

1845' FSL & 2015' FWL

Lat: N36 & 36.9166 Long: W107 & 30.5026

K-31-28N-6W,

Rio Arriba County, NM

AIN: 85280601/85280602

SCOPE: This well is unable to produce due to water production. It is suspected that this water is sourced from either a casing leak in the upper portion of the well bore in the 4 ½" or 7" casing or from the lower Dakota. The intent of this procedure is to first check for any casing leaks by pulling the 2 3/8" tubing and pressure testing the casing. If the test fails, then repair any casing leak(s), trip back in hole with 2 3/8" tubing and return the well to production. If the test is OK, then isolate and flush test different zones to identify source of water production. Plug off the water producing zone and return the well to production.

1. Send wireline to pull any down-hole equipment. If not able to pull, set three slip stop above obstruction.
2. Hold safety meeting. Comply with all NMOCD, BLM and ConocoPhillips safety and environmental regulations. Test rig anchors and build blow pit prior to moving in rig.
2. MIRU. Record tubing and casing pressures and record in DIMS. RU blow lines from casing valves and begin blowing down casing pressure. Kill well with 2% KCL treated for SRB if necessary. ND wellhead and NU BOP.
3. TOOH with of 2 3/8" tubing (see current tubing configuration below). Visually inspect tubing out of hole. Report findings in DIMS.

(242) jts. 2 3/8" EUE 8rd, 4.7#, J55
(1) 2' pup jt.
(1) 2 3/8" tail jt.
(1) seating nipple
(1) expendable check set @ 7557'
4. MU 3 7/8" bit and watermelon mill and TIH to PBTD of 7667'. Clean out any fill and circulate hole clean. TOOH with bit and mill.
5. PU RBP and packer for 4 1/2", 10.5# casing and TIH on 2 3/8" tubing. Set RBP at +/- 4082' (TOC at 2580' by CBL, top perforation at 4132'), pull up and set packer 5' above RBP. Pressure test RBP to 500 psi. Load backside and pressure test casing to 500 psi. **If casing tests okay, TOOH, remove packer and go to step 11. Otherwise, continue with procedure to step 6.**
6. Begin leak isolation in the 4 1/2" and 7" casing. Record and report injection rate, pressure, and location of holes to Rig Superintendent and project engineer to obtain necessary regulatory approvals and proper squeeze design.
7. RU cement company and squeeze casing leak(s) per Rig Superintendent and project engineer instructions. Be sure to put sand on RBP before squeezing. If leak goes on vacuum and will not hold fluid, a retainer and CIBP may be used.
8. PU bit/mill and TIH to drill out cement. After drilling out cement, pressure test squeeze to 500 psi. If cement holds, TOOH with bit/mill. TIH and retrieve RBP and then clean out to PBTD if necessary. TOOH with tubing and bit. If squeeze does not hold, the holes may need to be re-squeezed, contact Rig Superintendent and project engineer for instructions.
9. PU (1) expendable check, (1) 2 3/8" seat nipple (SN), (1) jt of 2 3/8" tail joint, (1) 2 3/8" x 2' pup joint, and (~242) jts 2 3/8", 4.7#, J-55 tubing joints. TIH with ½ of tubing string and broach tubing with

1.901" OD tools. Then TIH with the remaining tubing string and broach again. Land tubing at 7557'. After landing tubing pressure test tubing to 1000 psi. Retrieve standing valve.

10. ND BOP, NU wellhead. Make swab run to kick well off, if necessary. Notify lease operator that well is ready to be returned to production. RDMO.

If pressure test from step 5 is Okay:

11. Call production engineer (Karen Mead - 320-3753) for setting depths of RBP. Be prepared for flush procedure to isolate water production zone.
12. PU (1) 2 3/8" saw-tooth collar, (1) 2 3/8" seat nipple (SN), (1) jt of 2 3/8" tubing, (1) 2 3/8" x 2' pup joint, and (~182) jts 2 3/8", 4.7#, J-55 tubing joints. TIH with 1/2 of tubing string and broach tubing with 1.901" OD tools. Then TIH with the remaining tubing string and broach. Land tubing at depth specified by production engineer dependent on location of water production zone. After landing tubing pressure test tubing to 500 psi. Retrieve standing valve.
13. ND BOP, NU wellhead. Make swab run to kick well off, if necessary. Notify lease operator that well is ready to be returned to production. RDMO.

Recommended: _____

Production Engineer
Karen Mead
Office: 324-5158
Cell: 320-3753

Approved: _____

Rig Superintendent
Lyle Ehrlich
Office: 599-4002
Cell: 320-2613

Mark Poulson – Foreman
Office: 324-5137
Mobile: 320-2523

Len Gordon – MSO
Mobile: 320-5824
Pager: 327-8441

SPUD DATE 7/28/05
COMPLETION DATE: 10/24/05

Latitude N36 36.9166
Longitude W107 30.5026

SAN JUAN 28-6 UNIT 210P MV
Township 028N Range 006W
Section 031 1845 FSL & 2015 FWL
RIO ARRIBA COUNTY, NM

DPNO/AIN 85280602
METER # 85979
API # 30039294580000
METER # 85979
Run # 42319
KBE: 6492' GL: 6477'

STATUS: PLUNGER as of June

Surface Casing (7/28/05)

Hole size 12-1/4"
11 jts 9-5/8", 32.3#, H-40
Set @ 333'
180 sx cmt - Class "B"
306 cu ft
Circ to surface

Top of 4 1/2" @ 2532'

Intermediate Casing (9/3/05)

Hole size 8-3/4"
87 jts 7", 23.0#, J-55
Set @ 3480'
Stg1: 139 sx cmt
Stg 2: 362 sx cmt - lost circ
TOC @ 2200' by TS (9/4/05)
TOC @ 2180' by CBL (10/1/05)
circ 16 bbls to surface w/2 squeeze jobs
(10/1/05)

Production Casing (9/7/05)

Hole size 6-1/4"
182 jts 4-1/2", 10.5#, J-55
Set @ 7669'
286 sx cmt
TOC @ 2580' by CBL (9/13/05)

Tubing Record (10/14/05)

(242) jts. 2-3/8" EUE 8rd, 4.7#, J55
(1) 2' pup jt.
(1) 2-3/8" tail jt.
(1) seating nipple
(1) expendable check
Set @ 7557'

Current as of 10/04/06

23' Rathole

PBTD = 7667'
TD = 7670'

FORMATION TOPS:

Ojo Alamo	2390'
Kirtland	2517'
Fruitland Coal	3035'
Pictured Cliffs	3182'
Chacra	4127'
Cliff House	4726'
Menefee	4966'
Point Lookout	5409'
Point Lookout	5409'
Mancos	4726'
Gallup	6580'
Greenhorn	7339'
Graneros	7406'
Dakota	7444'

Sq. hole @ 1100'

Sq. hole @ 2100'

Top of cmt @ 2580'

WORKOVERS:

10/1/05: Remediated 7", cut 4 1/2" @ 2532', squeeze 7" w/ 16 Bbls slurry. Circ to surf. (1 squeeze hole shot at 2100' and one at 1100').

3/10/06: Ran gauge ring to 7562' and Gyro Survey to 7554', all OK.

4/27/06: Checked for hole in tubing. No hole found.

PERFORATIONS:

Lewis: 1 SPF - 4132'-4642' 25 holes
Menefee/Cliffhouse: 1 SPF - 4730'-5220' 28 holes
Pt Lookout/Menefee: 1 SPF - 5282'-5834' 25 holes
Dakota: 1 SPF - 7448'-7544' 20 holes
Dakota: 2 SPF - 7564'-7644' 40 holes

STIMULATION:

Dakota frac: 100,716 gal slick water, 40,000 lbs, 20/40 TLC
Mesaverde frac: Lewis: 25,967 gal 20# lin gel, 75Q N2 foam, 200,000 lbs 20/40 Ottawa sd with 913 gal. 66% 20# lin gel N2 foam 1,401,000 scf N2, flushed with 4914 gal. slickwater
Mesaverde frac - Men/CH: 45,268 gal. slickwater N2 foam, 100,000 lbs 20/40 Ottawa sd flushed with 3158 gal. slickwater
Mesaverde frac - PT L/Men: 45,692 gal. slickwater N2 foam, 100,000 lbs 20/40 Ottawa sd flushed with 3528 gal. slickwater

BLM CONDITIONS OF APPROVAL

CASING REPAIR OPERATIONS:

- 1. Once casing leaks are identified, obtain prior approval from this office before commencing repairs. Contact Jim Lovato @ (505) 599-6367.**
- 2. A properly functioning BOP and related equipment must be installed prior to commencing work and/or recompletion operations.**

SURFACE USE OPERATIONS:

The following Stipulations will apply to this well unless a particular Surface Managing Agency or private surface owner has supplied to BLM and operator a contradictory environmental stipulation. The failure of operator to comply with these requirements may result in assessments or penalties pursuant to 43 CFR 3163.1 or 3163.2. A copy of these conditions of approval shall be present on location during construction, drilling and reclamation activity.

An agreement between operator and fee landowner will take precedence over BLM surface stipulations unless (in reference to 43 CFR Part 3160) 1) BLM determines that operator's actions will affect adjacent Federal or Indian surface, or 2) operator does not maintain well area and lease premises in a workmanlike manner with due regard for safety, conservation and appearance, or 3) no such agreement exists, or 4) in the event of well abandonment, minimal Federal restoration requirements will be required.

STANDARD STIPULATIONS: All surface areas disturbed during work-over activities and not in use for production activities will be reseeded. This should occur in the first 90 days after completion of work-over activities.

SPECIAL STIPULATIONS:

- 1. Pits will be fenced during work-over operation.**
- 2. All disturbance will be kept on existing pad.**
- 3. All pits will be pulled and closed immediately upon completion of the work-over activities.**
- 4. Pits will be lined with an impervious material at least 12 mils thick.**